METHOD AND APPARATUS FOR EFFICIENT CALCULATION AND USE OF RECONSTRUCTED PIXEL VARIANCE IN TOMOGRAPHY IMAGES

ABSTRACT OF THE DISCLOSURE

[0064]   A technique is disclosed for generating variance data and a variance map from measured projection data acquired from a tomography system. The method comprises accessing the measured projection data from the tomography system. The method further comprises generating the variance map from the measured projection data and displaying, analyzing or processing the variance map. The variance data is determined based upon a statistical model from measured image data, and may be used for image analysis, data acquisition, in computer aided diagnosis routines, and so forth.